

2010 Water Resources Development Act

| Project Name and Location   | Purpose  | Amount       | Recipient  | Taxpayer Interests   |
|---|--|--------------|--|--|
| Floodplain Management Services, State of Hawaii and Pacific Territories | The purpose of this request is to authorize and direct the Secretary to provide up to \$1 million annually for the continuation and initiation of Floodplain Management Services studies in the State of Hawaii and the Pacific Territories. | \$1,000,000  | State of Hawaii, Department of Land and Natural Resources, 1151 Punchbowl Street, Honolulu, Hawaii 96813 | Section 206 of the 1960 Flood Control Act, as amended, provides authority for the U.S. Army Corps of Engineers to provide states and local governments with a range of technical services and planning guidance needed to support effective floodplain management. The program objective is to further public understanding of options for addressing flood hazards and promote prudent use and management of the Nation's floodplains. All services are provided at Federal expense at the request of the states and local governments.             |
| Hanapepe River Modifications  | The purpose of this legislation is to authorize the Secretary to design and construct flood risk management improvements associated with the U.S. Army Corps of Engineers constructed levees at the Hanapepe River.                          | \$10,000,000 | County of Kauai, Department of Public Works, 4444 Rice Street, Suite 275, Lihue, Hawaii 96766            | The County of Kauai requests an authorization for the U.S. Army Corps of Engineers (USACE) to carry out all activities, including construction, associated with making modifications to the existing Corps constructed levees on the Hanapepe River. A USACE examination of dams and levees found the levees on the Hanapepe River among the most at-risk levees in the nation. Flood risk management improvements are critically important to protect residents and reduce damages to public and private property behind the Hanapepe levee system. |

| Project Name and Location                 | Purpose   | Amount | Recipient  | Taxpayer Interests  |
|---|---|--------|--|---|
| Hawaii Regional Sediment Management Study | The purpose of this request is to clarify the scope of the U.S. Army Corps of Engineers' authority in cooperating with any State in the preparation of a comprehensive State or regional sediment management plan within the boundaries of the State. It would also authorize \$1,000,000 to the Hawaii Regional Sediment Management Study. |        | State of Hawaii, Department of Land and Natural Resources, 1151 Punchbowl Street, Honolulu, Hawaii 96813 | State and regional sediment management activities would be conducted to (1) document long-term trends in wave climate; (2) develop regional sediment budgets; (3) identify suitable sand sources; (4) develop sediment transport models; (5) promote efficient use of scarce sediment resources on a systems scale; and (6) reduce the cost of federally authorized water resource projects. The intent of these activities would be to increase the understanding of the physical processes that occur in lakes, rivers, streams, estuaries, beaches and offshore regions as they relate to sediment transport on a regional scale. The authority will promote collaboration and sharing of information with government agencies, educational institutions, and local interests to develop decision-making tools for use in the long-term planning of actions that affect regional sediment management. Final products would enhance the use of sediment resources in association with federal Navigation, Flood and Coastal Storm Damage Reduction, and Ecosystems Restorations projects. |

| Project Name and Location                | Purpose   | Amount       | Recipient  | Taxpayer Interests  |
|--|---|--------------|--|---|
| Hurricane Evacuation Studies             | The purpose of this request is to direct the Secretary to provide a minimum of 5 percent of the U.S. Army Corps of Engineers' Flood Plain Management Services budget annually to the Hurricane Evacuation Studies Program to address insular U.S. Island needs in managing vulnerable populations during tropical cyclone threats and recurring program requirements. |              | Department of Defense, State of Hawaii, 3949 Diamond Head Road, Honolulu, Hawaii 96816-4495              | Unlike communities in the continental United States where coastal populations can be evacuated out of harms way, it is not practical to evacuate islands threatened by tropical cyclones. Effective population management is the only option in minimizing injury and loss of life during significant storm events. As island populations continue to increase and demographics change, emergency planners are continuously faced with new challenges in identifying and managing vulnerable populations. Despite numerous and significant tropical cyclone threats to the U.S. Pacific and Carribbean islands annually, these insular island communities have historically not received a proportionate share of program funding to address their unique needs in protecting their populations against tropical cyclone threats. |
| Mapunapuna Drainage Improvements Project | The purpose of this request is to authorize the Secretary to design and construct drainage improvements at Mapunapuna, Honolulu, Hawaii, to alleviate flooding problems.  | \$20,000,000 | State of Hawaii, Department of Land and Natural Resources, 1151 Punchbowl Street, Honolulu, Hawaii 96813 | Moanalua Stream was previously studied under Section 205 of the Continuing Authorities Program. However, flood reduction measures were determined to be more costly than statutory limits and the major areas affected by flooding is the commercial and industrial properties in the business district of Mapunapuna. Regular ponding on surface streets, occurring during high tides, indicate the lack of elevation in this industrial district. Flooding as recent as 2008 highlight the extreme vulnerability of the area.   |

| Project Name and Location  | Purpose  | Amount      | Recipient  | Taxpayer Interests  |
|--|--|-------------|--|---|
| Palmyra Atoll Ecosystem Restoration Project                            | The purpose of this request is to authorize the Secretary to design and construct ecosystem restoration improvements at the Palmyra Atoll.   | \$5,000,000 | The Nature Conservancy of Honolulu, 923 Nuuanu Avenue, Honolulu, Hawaii 96817  | Palmyra Atoll's lagoon system was heavily altered by the Navy during WWII, by the roadways constructed to connect the Atoll's islets all but stopping the flow of water into and out of the lagoons. This has lead to drastic declines in water quality and increases in temperature, causing significant mortality of fish and coral species in the lagoons. It is hypothesized that breaches in the causeway will result in a more natural water flow pattern through the entire lagoon system, and reduces or eliminates the flow of water and sediment out onto the Coral Gardens in the southeast portion of the atoll.  |
| Planning Assistance to States, State of Hawaii and Pacific Territories | The purpose of this request is to authorize the Secretary to provide up to \$1 million annually for the continuation and initiation of Planning Assistance to States studies in the State of Hawaii and Pacific Territories. | \$1,000,000 | Division of Water Resource Management, Department of Land and Natural Resources, 1151 Punchbowl Street, Honolulu, Hawaii 96813 | Section 22 of the Water Resources Development Act (WRDA) of 1974, as amended, provides authority for the U.S. Army Corps of Engineers to assist states, local governments, and other non-federal entities in the preparation of comprehensive plans for the development, utilization, and conservation of water and related land resources. Section 2013 of WRDA 2007 authorizes the Secretary to provide, at the request of a governmental agency or non-Federal interest and at Federal expense, technical assistance in managing water resources. The opportunity to leverage local funds in addressing water resource planning along with the increased Federal cost sharing burden has resulted in a significant increase in demand for technical assistance. Authorization will assure the Honolulu District receives the required annual resources to address the needs of the Pacific Island communities. |

| Project Name and Location  | Purpose   | Amount | Recipient   | Taxpayer Interests   |
|--|---|--------|---|--|
| Remote and Subsistence Harbors, State of Hawaii, Pacific Territories | This request would amend Section 2006 of the Water Resources Development Act of 2007 and 1) direct the Secretary to recommend a project without the need to demonstrate that the project is justified solely by national economic development benefits providing certain criteria are met; and 2) direct the Secretary to give the recommended projects the same budget and priority considerations as considered solely under the basis of national economic benefits. |        | Harbors Division, State of Hawaii, Department of Transportation, 79 S. Nimitz Highway, Honolulu, Hawaii 96813 | Due to its geographical location, the State of Hawaii, the Pacific Territories (Guam, American Samoa, Commonwealth of the Northern Mariana Islands), and the U.S, Virgin Islands are isolated from the manufacturers and suppliers of essential commodities. The high cost of air cargo make their commercial seaports the primary entry point for a significant percentage of their imports and exports. As an example, the State of Hawaii imports in excess of 80 percent of all goods and materials, of which over 98-percent is shipped through Hawaii's ports. The Corps' recurring inability to economically justify construction of general navigation features in insular islands are due primarily to high construction costs and a lack of sufficient population base and associated cargo volume demand. |

| Project Name and Location                   | Purpose  | Amount       | Recipient   | Taxpayer Interests  |
|---|--|--------------|---|---|
| Waiakea-Palai Streams Flood Risk Management | The purpose of this request is to authorize the Secretary to design and construct flood risk management improvements for the Waiakea-Palai Streams.  | \$45,000,000 | County of Hawaii, Department of Public Works, 101 Pauahi Street, Suite 7, Hilo, Hawaii 96720  | Waiakea and Palai are located in the southern part of Hilo town. In the Waiakea area, the CAP feasibility study recommends the combination of flood walls, levees, and channel improvements as flood mitigation measures. In the Palai area, the CAP feasibility study recommends diverting water in a pressurized box culvert to an agricultural area. While these alternatives reduce flood damages, the risk to homes in the areas remain high. The solution lays in attenuating flood flows above both Waiakea and Palai areas. By creating flood storage, flows remaining in Waiakea and Palai streams are more easily handled by flood mitigation measures along the streams. The combined project would afford the opportunity to develop flood risk management measures in the shared drainage above Waiakea and Palai streams and would provide flood reduction benefits to both areas, theoretically reducing the sots required to mitigate flooding in each drainage basin separately. |
| Waimea River Modifications                  | The purpose of this request is to authorize the Secretary to design and construct flood risk management improvements associated with the U.S. Army Corps of Engineers constructed levees at the Waimea River | \$10,000,000 | County of Kauai, Department of Public Works, 4444 Rice Street, Suite 275, Lihue, Hawaii 96766 | The County of Kauai requests an authorization for the U.S. Army Corps of Engineers (USACE) to carry out all activities, including construction, associated with making modifications to the existing USACE constructed levees on the Waimea River. A USACE examination of dams and levees found the levees on the Waimea River among the most at-risk levees in the nation. Flood risk management improvements are critically important to protect residents and reduce damages to public and private property behind the Waimea levee system.  |